elliptical, small to medium, usually one-half to five-eighths inch long by three-eighths inch thick, sometimes larger. Flesh actually almost colorless, but appearing dark on cutting open, because of the dark skin and colored layer immediately below it. Skin rather tender: only very slightly, or not at all, astringent. Flesh quite firm, juicy, and sweet. Seeds none or, if present, so tender that they are not noticeable on chewing, having no hard coat. Bunches rather small, not over one-half pound, with a pronounced shoulder, rather loose, and easy to spray. Except that it stains the fingers and mouth, I consider this variety superior to Ok Uziúm, No. 9578, and Kishmish, No. 9576. (Bessey.)

9580. Salsola arbuscula.

From Chardjui, Russian Central Asia. Received through Mr. E. A. Bessey from Mr. V. Paletzky, forester, of Chardjui (No. 194, October 3, 1902), May 1, 1903.

"This plant is one of the best sand binders in this region. It forms a large shrub, or even small tree, 15 to 20 feet high. It grows without irrigation in sand in a very hot region where no rain falls from April to November. In the winter it endures severe cold. This plant can be propagated either by seed (sown from January to March) or cuttings (also planted in early spring). In either case a stand of about 40 per cent is obtained. If grown along with Avistida pennata var. Karelini, No. 9582, it seeds itself in the tuits of the latter, and soon is able to take care of its own dissemination." (Bessey.)

9581. Haloxylon ammodendron.

From Chardjui, Russian Central Asia. Received through Mr. E. A. Bessey from Mr. V. Paletzky, forester, of Chardjui (No. 195, October 3, 1902), May 1, 1903.

"This plant often becomes a tree 20 to even 30 feet high, with a trunk 15 to 18 nches in diameter near the base. It requires a clay subsoil which holds some noisture. It is very hard to establish, but when once started is valuable as a sand binder. It will not endure salt." (Bessey.)

9582. Aristida pennata val. Karelini.

From Chardjui, Russian Central Asia. Received through Mr. E. A. Bessey from Mr. V. Paletzky, forester, of Chardjui (No. 196, October 3, 1902), May 1, 1903.

"This grass, itself valuable as a sand binder, is especially valuable from the fact hat its tufts act as shelters in which the seeds of Salsola arbascula (No. 9580) and Calligonum sp. (Nos. 9583 to 9594) lodge and grow. Nearly every bunch of this grass will be found to have growing in it a young plant of Salsola or Calligonum. The seeds are own in holes in the sand and covered with sand by the workman's foot, or are nixed at the rate of 1 pound to 200 or 300 pounds of sand and sown broadcast; the ormer method is, however, preferable. It is sown in the hollows between the sand lunes, and requires only one seeding, as the following year it reseeds itself." Bessey.)

)583 to 9594. Calligonum sp.

From Chardjui, Russian Central Asia. Received through Mr. E. A. Bessey from Mr. V. Paletzky, forester, of Chardjui (No. 197, October 3, 1902), May 1, 1903.

9583. Calligonum arborescens and C. Caput-Medusae.

"A mixture of these two species. These two are the best of the Calligonums for sand-binding purposes. They form small trees. They are superior to Salsola arbuscula in that when planted from seeds or from cuttings 90 per cent grow, inferior in that they do not reseed themselves very well." (Bessey.) (No. 197, October 3, 1902.)

Additional species sent by Mr. Paletzky.

9584. Calligonum Acanthopterum, Borsez. var. setosa.